

# Division Practice Grades 6-8: Strategies, Resources, and Tips for Student Success

## Strategies for Division Practice

- **Divide and Conquer:** Break down large division problems into smaller, more manageable parts. For example,  $456 \div 8$  can be divided into  $(400 \div 8) + (50 \div 8) + (6 \div 8)$ .
- **Use Remainders:** Don't be afraid of remainders. They can be helpful in understanding the division process. For example,  $213 \div 5 = 42$  with a remainder of 3.
- **Estimation:** Estimate the answer before performing the actual division. This will help to check your work and identify any errors.
- **Long Division:** Use the traditional long division algorithm to solve division problems. This is a step-by-step process that can be used to solve even complex division problems.
- **Multiplication:** Multiply the divisor by different numbers until the product is equal to the dividend. The number that you multiplied the divisor by will be the quotient.
- **Factorization:** Factor the dividend and the divisor. Then, divide the factors of the dividend by the factors of the divisor. The quotient will be the product of the remaining factors.

## Resources for Division Practice

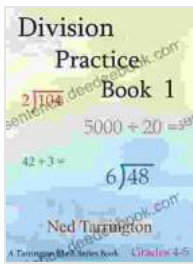
- Khan Academy: Division of Whole Numbers
- Education.com: Division Worksheets

- IXL: Division Practice
- YouTube: How to Divide
- Mathsisfun.com: Division Game
- Time4Learning: 6th Grade Division Games

### **Tips for Division Practice**

- **Practice Regularly:** The more you practice, the better you will become at division. Aim to practice for at least 15 minutes each day.
- **Use a Variety of Problems:** Don't just practice the same types of division problems over and over again. Mix it up to keep your skills sharp.
- **Check Your Work:** Always check your work to make sure that you have gotten the correct answer.
- **Don't Give Up:** Division can be challenging, but don't give up. With practice, you will eventually master it.
- **Ask for Help:** If you are struggling with division, don't be afraid to ask for help from your teacher, parents, or a tutor.
- **Make it Fun:** Find ways to make division practice fun. Play games, use online resources, or create your own challenges.

With the right strategies, resources, and tips, you can help your students excel in their division practice. Division can be a challenge, but it is an important skill that students need to master for success in mathematics. Encourage your students to practice regularly and to ask for help when needed.



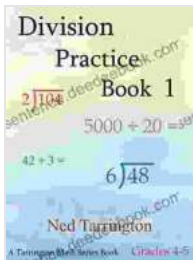
## Division Practice Book 1, Grades 4-5 by Ned Tarrington

★★★★☆ 4.8 out of 5

Language : English  
File size : 4222 KB  
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Screen Reader : Supported  
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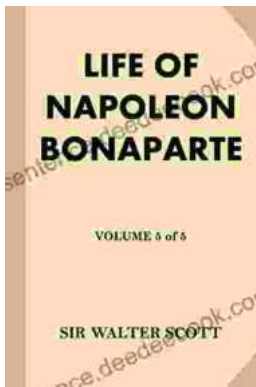
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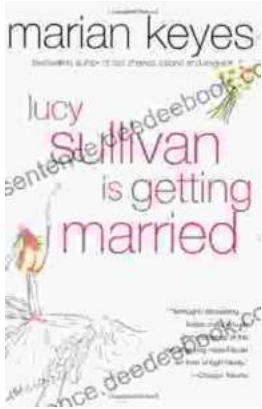
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